

## ABSTRACT

The invention provides oligonucleotide primer pairs, sequence determination oligonucleotides, and kits for amplification and detection of novel single nucleotide polymorphisms in the 5' flanking regions of the *CYP3A4* and *CYP2C9* genes.

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Chemical	Formula	Weight	Volume	Concentration	Notes
Hydrochloric acid	HCl	36.5	1.18	12.1	
Sulfuric acid	H <sub>2</sub> SO <sub>4</sub>	98.1	1.84	18.3	
Nitric acid	HNO <sub>3</sub>	63.0	1.42	15.7	
Phosphoric acid	H <sub>3</sub> PO <sub>4</sub>	97.9	1.70	16.5	
Acetic acid	CH <sub>3</sub> COOH	60.0	1.05	11.8	
Formic acid	HCOOH	46.0	1.22	13.3	
Oxalic acid	C <sub>2</sub> H <sub>2</sub> O <sub>4</sub>	90.0	1.50	15.9	
Malic acid	C <sub>4</sub> H <sub>6</sub> O <sub>5</sub>	134.0	1.60	16.5	
Succinic acid	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>	118.0	1.50	15.9	
Glutaric acid	C <sub>5</sub> H <sub>8</sub> O <sub>4</sub>	146.0	1.50	15.9	
Adipic acid	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	146.0	1.50	15.9	
Picric acid	C <sub>6</sub> H <sub>3</sub> O <sub>7</sub>	175.0	1.80	18.3	
Gallic acid	C <sub>7</sub> H <sub>6</sub> O <sub>5</sub>	152.0	1.60	16.5	
Ellagic acid	C <sub>10</sub> H <sub>6</sub> O <sub>6</sub>	226.0	1.80	18.3	
Resorcinol	C <sub>6</sub> H <sub>6</sub> O	110.0	1.20	12.6	
Catechol	C <sub>6</sub> H <sub>6</sub> O	110.0	1.20	12.6	
Phenol	C <sub>6</sub> H <sub>6</sub> O	94.0	1.07	11.3	
Nitrophenol	C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	123.0	1.20	12.6	
Chlorophenol	C <sub>6</sub> H <sub>5</sub> Cl	112.5	1.10	11.7	
Bromophenol	C <sub>6</sub> H <sub>5</sub> Br	173.0	1.40	14.7	
Iodophenol	C <sub>6</sub> H <sub>5</sub> I	227.0	1.90	19.7	
Hydroquinone	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	126.0	1.20	12.6	
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